

File No.

T 21 R 4E

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

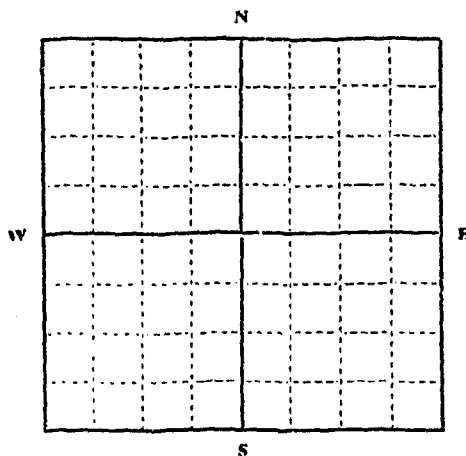
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

JAN 9 1964

ENGINEER

1. Oliver N. Torsan of Box 382 Black Eagle
(Name of Appropriator) (Address) (Town)
County of Cascade State of MONT.
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Qua. Hgs Lot 8
Sec. 28 T. 21 R. 4E

Indicate point of appropriation
and place of use, if possible. Each
small square represents 10 acres.

2. The beneficial use on which the claim is based
Poultry farm & household use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1910 - continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 5 gal per Min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
—
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Submersible pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Don't know except by hearsay
8. The depth of water table. 230'
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 240'
10. The estimated amount of groundwater withdrawn each year. 108,000 gal
11. The log of formations encountered in the drilling of each well if available. —
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. —

Signature of Owner

Oliver N. Torsan
Date 12-30-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

28630

4645

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on

JAN 2 - 1964

Date

at 8:07 o'clock A.M.

J. L. LENNON

County Clerk and Recorder.

By A. C. Michel
Deputy.

File No.

T 21 N R 4 E 29

DUPLICATE

County Cascade

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARDNotice of Completion of Groundwater
Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

Top of Ground

(Elev. above sea level 3306)

0 to 15 ft. Gumbo

15 - 72 Dark Shale

72 - 81 Red & Gray
Shale

81 - 14 Sand Rock

84 - 123 Red & Gray
Shale123 - 138 Sandy Gray
Shale138 - 158 Red & Gray
Shale158 - 244 Sandy Gray
Shale244 - 259 Sand Rock
seep at 246

259 - 279 Gray Shale

279 - 285 Dark Shale

285 - 305 Sandy Gray Shale
seep at 290305 - 355 Red & Gray
ShaleWater filled up to
200 ft. from top.Doc. No. 5235

Filed for record

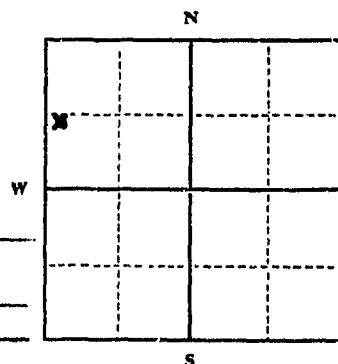
this 14 day of JulyA. D. 19 70, at 9:45o'clock A. M.Owner Ted Hawley Address Conrad, MontanaDriller E. D. Rafferty Address 927-10 th. Ave. S.W.
Great Falls, Montana

Date of Notice of appropriation of groundwater

Date well started Oct. 4, 1960. Date completed Oct. 18, 1960.Type of well Drilled Equipment used Churn Drill
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 5/8 in.	5 1/2" O.D. Black Iron	0	355	1/4 x 10"	244	248
				Slots	285	300
					340	345

S-W- qr NW Sec. 29 T. 21 N R. 4 E
Indicate location of well and
place of use, if possible. Each
small square represents 40
acres.Static Water Level for non-flowing well
from bottom 155 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 5 ft. from bottomat 5 gal. per minute.Discharge in gal. per min. of flowing well
5How Tested BailerLength of Test One hourRemarks: (Gravel packing, cementing, pack-
ers, type of shutoff) Fine gravelplaced behind casing to cover
perforations.

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state
number of acres and location or other data (i.e.: Lot, Block and Addi-
tion).

Domestic

355 ft.

Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the
County Clerk and Recorder in the county in which the well is located, tissue copy to be
retained by driller.Please answer all questions. If not applicable, so state, otherwise the form will be
returned.# 28
Driller's License NumberE. D. Rafferty
Driller's Signature.

46686

5735

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on

JUL 14 1970

Date

9:45 o'clock A.M.

J. L. LENNON

County Clerk and Recorder.

By

[Signature]

Deputy.

File No.

T. 21N R. 4E

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Doc. No. 5212
Filed for record
this 26 day of February
A. D. 19 70 at 3:00
o'clock PM

Date of Appropriation of Groundwater.....February 26, 1970
STATE OF MONTANA
Owner FISH AND GAME Address HELENA, MONTANA
COMMISSION
Contractor (if any) NONE

Address of Contractor

Date Started.....1922 Date Completed.....1922

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. NATURAL SPRING (GIANT SPRING)

The water from the spring is taken by gravity flow pipe line to the fish hatchery. From the hatchery a portion of the water is pumped. A portion of the water is used for Park purposes.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use. Continuous
use . Quantity of water is 50,000 gallons per minute.

Measured by volumetric system.

MONTANA FISH AND GAME COMMISSION
FRANK E. DUNKLE, SECRETARY

Signature of Owner Frank E. DunkleDate February 26, 1970

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

5212

STATE OF MONTANA, } ss.
County of Cascade.
I hereby certify that the within
instrument was filed for record on
FEB 26 1970
at 3:00 o'clock P.M.
J. L. LENNON
County Clerk and Recorder.
By [Signature] Deputy.

File No.

DUPLICATE

T. 21N. R. 4 E.

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 17 1963

STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater May, 1923

Owner Montana Fish & Game Commission Address Helena

Contractor (if any) None

Address of Contractor None

Date Started Date Completed

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Natural Spring (Giant Springs)

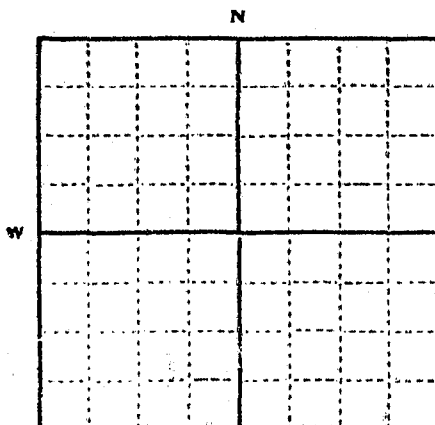
The water from spring is taken by gravity flow through pipe line to fish hatchery. The water flows to the surface of ground.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use. Continuous use. Quantity of water used is 6500 to 7000 gallons per minute. Measured by volumetric system.

Signature of Owner Montana Fish & Game Commission Robert J. Hughes

Date 12/16/63



SW 1/4 NE 1/4 Sec. 33 T. 21 N. R. 4 E.

Indicate point of appropriation and place of use, if possible.

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

9561

3517

STATE OF MONTANA, } ss.
County of Cascade

I hereby certify that the within in-
strument was filed in this office on

DEC 16 1963

at 2:30 o'clock P. M.

J. L. LENNON

County Clerk and Recorder.

By

[Signature]
Deputy.

File No. _____

T. 21N R. 4E

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Doc. No. 5212
Filed for record
this 26 day of February
A. D. 19 70 at 2:44
o'clock PM

Date of Appropriation of Groundwater February 26, 1970

STATE OF MONTANA

Owner FISH AND GAME COMMISSION Address HELENA, MONTANAContractor (if any) NONE

Address of Contractor _____

Date Started 1922 Date Completed 1923

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. NATURAL SPRING (GIANT SPRING)

The water from the spring is taken by gravity flow pipe line to the fish hatchery. From the hatchery a portion of the water is pumped. A portion of the water is used for Park purposes.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use. Continuous

use. Quantity of water is 50,000 gallons per minute.

Measured by volumetric system.

MONTANA FISH AND GAME COMMISSION
FRANK H. DUNKLE, SECRETARY

Signature of Owner John R. Hughes, SecretaryDate February 26, 1970

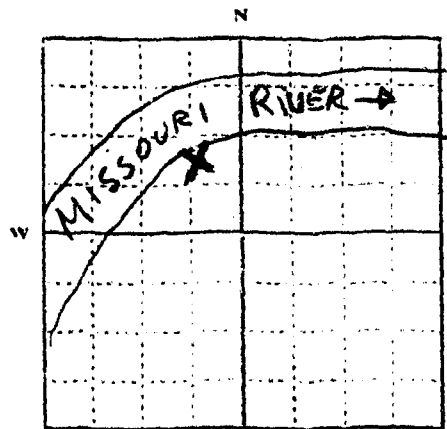
This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

Water from Giant Springs was first used by the State Fish Hatchery at Great Falls in May of 1923. It was estimated that up to 7,000 gallons per minute was being used as late as December of 1963 when groundwater appropriation was made by Hatchery Superintendent, Bob Hughes, for the Montana Fish and Game Commission. In 1969 new pipeline, storage tanks and pumps were installed. The revised use estimate is 50,000 gallons per minute.



(744) SE 1/4 NW Sec 33 T. 21N R. 4E

Indicate point of appropriation and place of use, if possible.

File No.

T. 21N R. 4E

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

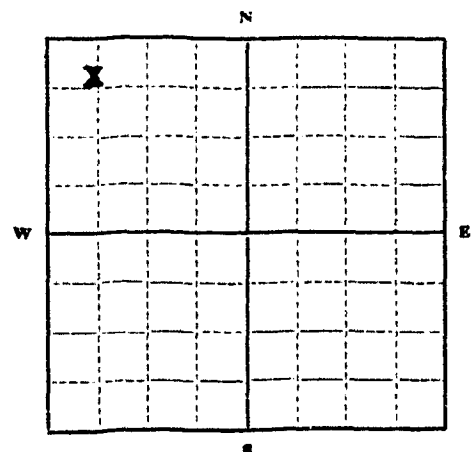
RECEIVED
FEB 1 1962

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. The Montana Power Company of 40 East Broadway Butte
(Name of Appropriator) (Address) (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot 3,

1/4 Sec. 35, T. 21N R. 4E

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based.....
Domestic consumption
3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been..... 1910 - continuous
4. The amount of groundwater claimed (in miner's inches or gallons
per minute)..... 2,000 gallons per day
5. If used for irrigation, give the acreage and description of the lands
to which water has been applied and name of the owner thereof.....
.....
6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal.....
Seepage water collected in pressure chamber,
treated and piped to places of use
7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater.....
8. The depth of water table.....
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater.....
.....
10. The estimated amount of groundwater withdrawn each year..... 730,000 gallons
11. The log of formations encountered in the drilling of each well if available.....
.....
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
reference to book and page of any county record.....
.....

(CORPORATE SEAL)

ATTEST:

[Signature]
Its Secretary

THE MONTANA POWER COMPANY

Signature of Owner By

[Signature]
Vice President

Date February 1, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

STATE OF MONTANA, }
County of Cascade. }

#3092

I hereby certify that the within in-
strument was filed in this office on

APR 12 1962

at S. 40 Block 9 13.

J. L. LENNON
County Clerk and Recorder.

By A. L. L.
Deputy.

GROUNDWATER INDEX

Page 1 of 1

County Cascade Twp. 21 N. Rge. 5 E

[illegible]

Helena Independent Record
File No. _____
DUPLICATE

CASCADE
3217

T 23N R 5 East
County Cascade

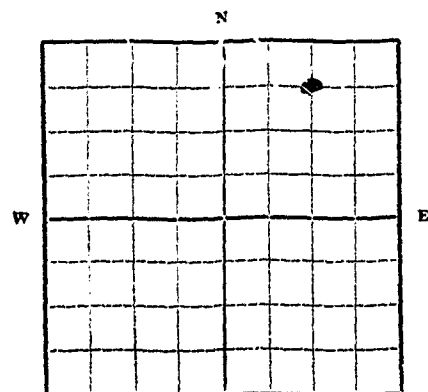
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED

STATE ENGINEER

1. Charles Urquhart, of Great Falls, Montana
(Name of Appropriator) (Address) (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



237 231N R5E
N 1/4 NE 1/4 Sec 23 T4N R5E

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based Agriculture and domestic use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been September 14, 1954
continuous since that date
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 14 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Charles Urquhart
Garden and lawn
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal By pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced Sept 1, 1954
Completed Sept 14, 1954
8. The depth of water table Fifty six feet - see log attached
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater See well driller's report attached
10. The estimated amount of groundwater withdrawn each year No accurate estimate can be given
11. The log of formations encountered in the drilling of each well if available Log attached
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Not applicable

Signature of Owner Charles S. Urquhart

Date Dec 14, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

MONTANA STATE ENGINEER

WELL DRILLER'S REPORT

Driller *E. Rafferty* Address *927 10th Ave S.W. Billings, Montana*
 Owner of Well *Chas. Arguehart* *Cascade County*

Exact Location of Well
 Water to Be Used for *Domestic use*
 Drilling Begun *Sept. 12, 1914* Well Finished *Sept. 14, 1914*
 Well Sealed, Date Type of Seal
 Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc.
 Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.
 Water Pressure at Top of Ground Pounds per Sq. In.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	to (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	to (Feet)
6 1/2 in	5 1/2 w. 11	0	356	Slot	317	319
8	10 lbs per ft			4 x 12"	337	337
					353	353

Describe the type of joints in casing *Threads & Collars*
 Type of drilling machine *Keystone*
 Describe any screens used *none*
 Describe any grouting or cement work giving location and amount *none*
 Capacity of well *14 gals per min*
 How determined *Barber*
 Date water sample sent to State Board of Health
 STATE OF MONTANA,
 County of *Cascade*

being first duly sworn, deposes and says that he is the well driller named above, that he has read the above report, and that the same is true of his own knowledge.
E. D. Rafferty
 Subscribed and sworn to before me this day of
 1914

356 ft
 Show exact depth of bottom.

(SEAL) (See other side for copy of the law.)

File No.

T. 21N R. 5E

DUPLICATE

County Cascade

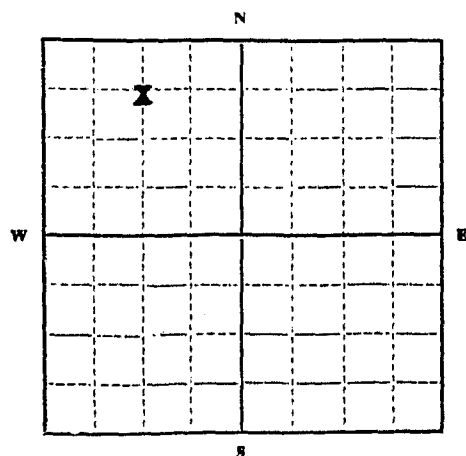
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. The Montana Power Company of 40 East Broadway Butte
 (Name of Appropriator) (Address) (Town)
 County of Cascade State of Montana
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot 2,

NE 1/4 Sec. 14 T. 21N R. 5E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based.....
Domestic consumption
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....
1930 - continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute).....
2,000 gallons per day
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.....

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....
Seepage water collected in pressure chamber, treated and piped to place of use
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....

8. The depth of water table.....

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....

10. The estimated amount of groundwater withdrawn each year.....
730,000 gallons
11. The log of formations encountered in the drilling of each well if available.....

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....

(CORPORATE SEAL)

ATTEST:

St. J. J. J.
 Its Secretary

THE MONTANA POWER COMPANY

Signature of Owner BY

Officer
 Vice President

Date February 1, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

Properly filed in the office of the
Recorder of Deeds, County of [illegible]
State of [illegible]

STATE OF TENNESSEE,
County of [illegible]

Know all men by these presents,
[illegible] who died [illegible]

APR 12 1962

at [illegible] [illegible]

J. F. TENNANT
County Clerk and [illegible]

By [illegible]

#3093

File No.

T. 21N R. 5E

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

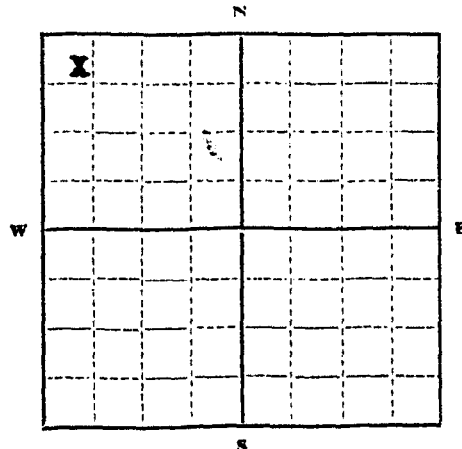
RECEIVED

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. The Montana Power Company of 40 East Broadway Butte
(Name of Appropriator) (Address) (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot 2

$\frac{1}{4}$ Sec. 21 T21N R. 5E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based. Domestic consumption
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1900 continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 1,100 gallons per minute - 24 hrs. per day
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. About 10 acres are irrigated in the summertime, lawns and gardens
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Natural spring
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
8. The depth of water table.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
10. The estimated amount of groundwater withdrawn each year. 600,000,000 gallons
11. The log of formations encountered in the drilling of each well if available.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

(CORPORATE SEAL)

ATTEST:

[Signature]
Its Secretary

THE MONTANA POWER COMPANY

Signature of Owner. By

[Signature]
Vice President

Date February 1, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

#294
STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on
APR 12 1962

at 8:15 ^{PM} o'clock u M.

J. L. LENNON
County Clerk and Recorder.

By Bas
Deputy.

File No.

T. 21 R. 5

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 9 1964

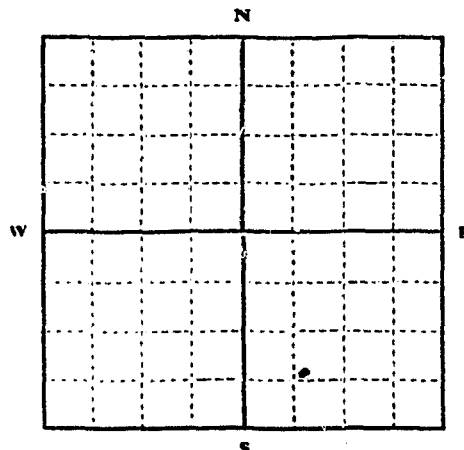
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Richard S. O'Day, Jr., of Highwood Star, Rte. Great Falls
(Name of Appropriator) (Address) (Town)

County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW
E 1/4 Sec. 31, T. 21 N. R. 5 E.

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based
drinking water - occasional use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1915 - occasional

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 23

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
none

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
windmill pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1915

8. The depth of water table 310 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
6 inch casing, 4 inch pipe, 310 feet depth

10. The estimated amount of groundwater withdrawn each year 70,000 gallons per year

11. The log of formations encountered in the drilling of each well if available not available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record not available

Signature of Owner R. S. O'Day, Jr.

Date December 22, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

28108

4121

STATE OF MONTANA, }
County of Cascade. }

I hereby certify that the within in-
strument was filed in this office on

DEC 30 1963

at 2:16 P

E. L. LENNON

County Clerk

By [Signature]

File No.

DUPLICATE

Approved Stock Form—State Publishing Co., Helena, Montana—38496

RECEIVED

T. 21 N. R. 5 E. S. 33?

MAR 23 1964

County C A S C A D E

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner J. Elwin J. Lascala Address Short Falls, Mont.
Driller Thomas B. Franklin Address Ste. 1, So. Short Falls, Mont.Date of Notice of Appropriation of Groundwater Oct. 5, 1962Date well started Oct. 10, 1962 Date Completed Oct. 19, 1962Type of well Drilled, Driven Equipment Used Cable Tools
(dug, driven, bored or drilled) (Churn, drill, rotary or other)Water Use: Domestic ☒ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 inch	23 ft. of 5 inch OD Oil Well Casing 14 lbs. per ft.	Top	23 ft	4" x 2" long	15	25

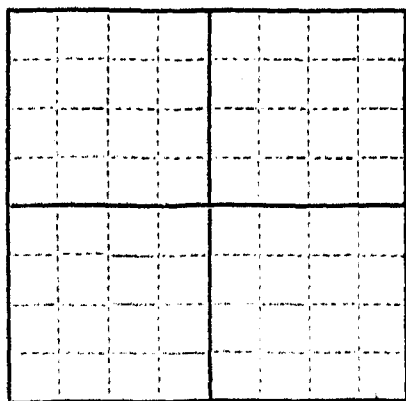
Top of Ground
(Elev. above sea level

From top to 18 ft. - clay

From 18' to 20' water bearing sand, gravel.

From 20' to 45' Shale Drift

Columns 1



NONE GIVEN

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 18 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 40 feet at 12 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bailer Length of Test 4 hrs

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of

acres irrigated, if used for irrigation) Well was

lined with 4 1/2 inch OD Water Well Casing

the 4 inch had approx. 10 ft. of perforations from 15 ft to 25 ft.

84

Driller's License Number

Thomas B. Franklin

Driller's Signature

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

9596

3523

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on

Dec 17 1908
at 307^{PM} o'clock P. M.

J. E. LENNON
County Clerk and Recorder.

By J. J. Schmitt
Deputy.

GROUNDWATER INDEX

Page of

County CASCADE Twp. 21N. Rge. 6E

[illegible]

GW.

Approved Stock Form — State Publishing Co., Helena, Montana — 42234

File No.

T. 21 R. 6 East

DUPLICATE

County Cascade

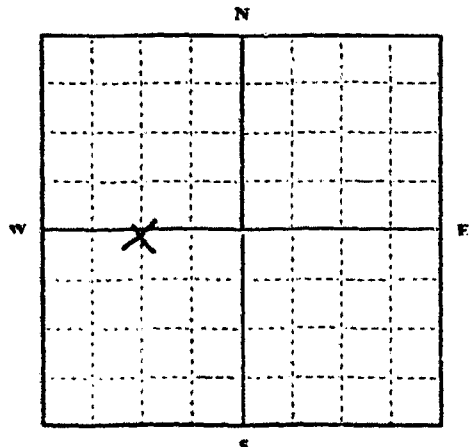
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUN 9 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Paul Eugene Bowman, of Highland Street, Great Falls
(Name of Appropriator) (Address) (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec 21 T. 21 R. 6 E
Indicate point of appropriation
and place of use, if possible. Each
small square represents 10 acres.

2. The beneficial use on which the claim is based Personal and live stock use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been August 18, 1952
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 35 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater August 18, 1952
8. The depth of water table 580 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Pump type, 6 inches cased, dept of well is 581 feet
10. The estimated amount of groundwater withdrawn each year 4,380,000 gallons per yr.
11. The log of formations encountered in the drilling of each well if available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Paul E. Bowman
Date December 30, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

29537

7550

DEC 31 1968

RECORDED
TIME 3:50 P.M.
DOCUMENT NO. _____

J. L. LENNON
CLERK AND RECORDER
CASCADE COUNTY, MONTANA

BY A. C. Smith
DEPUTY

File No.

T. 1 R 6 E

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 9 1964

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.....

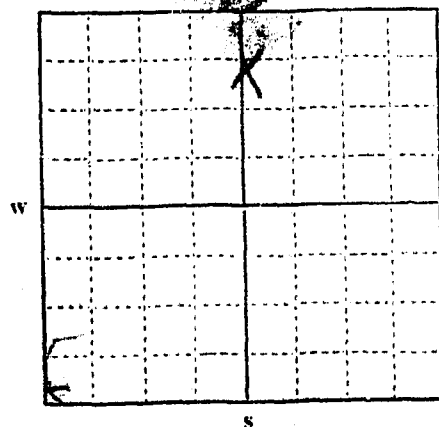
Owner Paul E. Bowman Address Highwood Star Rt.
Great Falls, Mont.

Contractor (if any)

Address of Contractor

Date Started..... Date Completed.....

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring



S 6 1/4 Sec. 11 T. 21 R. 6 E

Indicate point of appropriation and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use. year
around for livestock

Signature of Owner Paul E. Bowman

Date December 30, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

4549

DEC 31 1968

RECORDED

TIME 3:49 P.

DOCUMENT NO.

J. L. LENNON

CLERK AND RECORDER
CASCADE COUNTY, MONTANA

BY *McCall*
DEPUTY

File No.

DUPLICATE

T. 21 N. 6 E

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 27 1963

STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Prior to Jan 1, 1958

John Robert McCafferty and Lourena McCafferty
Owner Address Belt, Mont.

Contractor (if any) None

Address of Contractor

Date Started Date Completed

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Three springs, measured by bucket and watch. No. 1 and 3 flowing

into reservoirs and used to water live stock.

No 2 piped into house and used for domestic purposes. All used thruout the year.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approx lengths of periods of use all year.No. 1 3 Gallons per minuteNo. 2, 3 " " "No. 3, 3 " " "

JOHN ROBERT McCAFFERTY

LOURENA McCAFFERTY
Signature of Owner

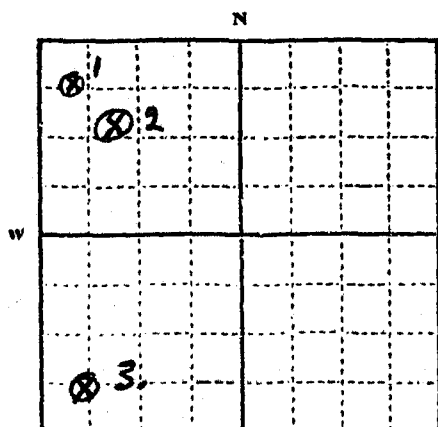
Date December 16, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.



Sec. 29 T21N R. 6E

Indicate point of appropriation and place of use, if possible.

No. 1 and 2, Northwest Qtr of Northwest Qtr. (NW 1/4 of NW 1/4)

No. 3, Southwest Quarter of Southwest QUARTER (SW 1/4 SW 1/4)

3667

STATE OF MONTANA, } ss.
County of Cascade.
I hereby certify that the within in-
strument was filed in this office on
DEC 28 1903
at
10:36 o'clock P.M.
J. L. LENNON
County Clerk and Recorder.
R. C. [Signature]
Deputy.

GROUNDWATER INDEX

Page 1 of 1

County Cascade Twp. R1N Rge. 7E

[illegible]

GW 3

File No.

DUPLICATE

T. 21 R. 7E 31

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

R-1000000
JAN 9 1964

Notice of Completion of Groundwater Appropriation Without Well

STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Dec 16, 1963

Owner Joe F. Drenzeloh Address Belt, Mont

Contractor (if any) Robertson & Case

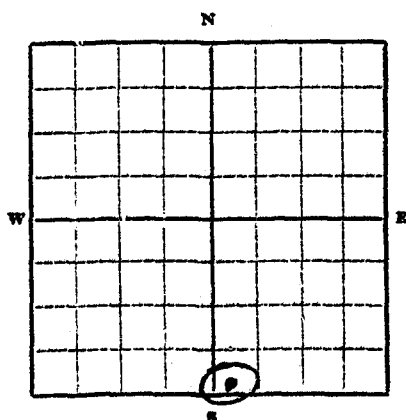
Address of Contractor Great Falls, Mont.

Date Started Sept 1, 1954 Date Completed Oct 1, 1954

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. 48" galv. culvert 16' long

1 1/2" galv. pipe outlet 1200' long.

Water table 5' from ground level



S.E. 1/4 Sec 31 T. 21 N. R. 7 E
Indicate point of appropriation and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use

Average output one and one half (1 1/2)

gal. per min. under drought

Conditions Continuous use

Signature of Owner Joe F. Drenzeloh

Date Dec 16, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

3952

STATE OF MONTANA, *ss.*
County of Cascade,

I hereby certify that the within in-
strument was filed in this office on
DEC 30 1963

at 1004 o'clock — M.

J. L. LENNON

County Clerk and Recorder.

By *J. L. Lennon*
Deputy.

File No. _____

T. 21 N R. 7 E

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

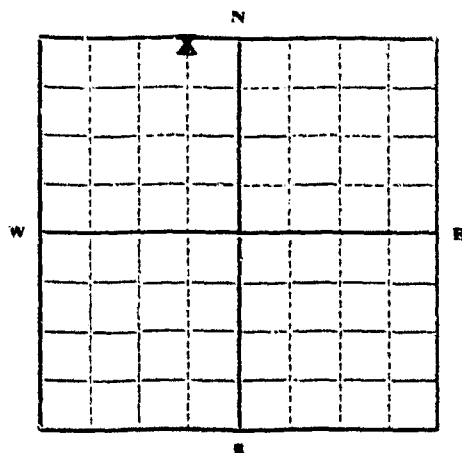
RECEIVED
DEC 27 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Joseph A. and Vlasta Cusick of Highwood Star Route, Great Falls
(Name of Appropriator) (Address) (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, at follows:

NE 1/4 Sec. 31 T21 N R. 7 E

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based. Domestic
and watering of cattle

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been. January 1913 and
continuous use since that time

4. The amount of groundwater claimed (in miner's inches or gallons
per minute). Five gallons per minute

5. If used for irrigation, give the acreage and description of the lands
to which water has been applied and name of the owner thereof
N/A

6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal. Developed
spring located near the center of the north
line of the NE 1/4 of the NW 1/4 of Sec. 31, T21N, R7E,
Cascade County, Montana

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater. Not applicable, water flows from surface

8. The depth of water table. Surface

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater. Spring development consisting of a Rock
Box 3 feet deep, approximately 2 feet in diameter, with a 2 inch flow
pipe which nipples down to a 4 inch pipe

10. The estimated amount of groundwater withdrawn each year. 2,628,000 gallons

11. The log of formations encountered in the drilling of each well if available. N/A

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
reference to book and page of any county record. None

Signature of Owner

Date December 27, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is
located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau
of Mines and Geology, and Quadruplicate for the Appropriator.

13086

3761

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on

DEC 26 1962

Date

at 1:10 o'clock P M.

J. L. LENNON

County Clerk and Recorder.

By

E. d. Harrison

Deputy.

County CascadeTwp. 20NRge. 3W

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
9	Kirby, Fred L. & Goldie	well log	—	
9	" , Jay F.	GW 4	4341	
10	Huston, George O.	GW 3	4430	
10	" "	GW 4	4431	
10	Kaully, Ted	GW 2	4451	
10	" , Frank W.	GW 4	3801	
11	Dars, Arthur R. & Agnes M.	"	4652	
11	Kelley, James D. & Darlene C.	"	4379	
13	Anderson, Emmett F.			
	and Eva June	GW 4	4334	
13	Anderson, Emmett F.			
	Eva June, & Marie Mathen	GW 4	4335	
13	" " " "	"	4336	
13	Badkins, David F.	"	3986	
13	Cable, Walter M. & Francis J.	"	4677	
13	Cripe, L. M. & Zetta	"	3503	
13	" " "	"	3625	
13	Eisenzimer, Lea J.	"	4346	
13	" "	"	4347	
13	" "	"	4348	
13	Evans, Margaret	"	3323	
13	Ekking, George M. & Ina A.	"	3684	
13	FT. Shaw Irrigation Dist.	"	3752	
13	Greer, John T. & Patricia A.	"	4675	
13	" , John A. & Mary Grace	"	3498	
13/14	" , James A. & Kathryn A.	"	4523	
13	Halland, Verna B.	"	3624	
13	Jahns, Ray	"	4231	
13	Langley, Lewis C.	well log	—	
13	Leintke, Eugene F. and Margaret R.	GW 4	4595	
13	Miller, Dale A. & Angeline P.	well log	—	
13	Miller, Dale A.	GW 4	3189	
13	More, Johnathan L. and Hattie A.	GW 4	4337	
13	Nichols, Clifford W. & Hazel I.	"	4538	
13	Panagopoulos, Tam D.	"	4188	
13	Ray, Richard D.	"	3624	
13	Saube, Alvin	"	3819	
13	Simms Community Church	"	4332	
13	Simms High School Dist. 39	GW 2	4728	
13	Simms School Dist. 39	GW 4	4449	
13	Smith, Rex P. & Janet L.	"	4333	
13	Thomas, William R.	"	3592	
13	" " "	"	3055	
13	Willits, Clair A. & Grace B.	"	3855	

Page ____ of ____

County Cascade Twp. 20N Rge. 3W

[illegible]

~~Not in Cascade City~~
 T. 13 R. 3 W
 County Cascade 9
 RECEIVED

MONTANA BUREAU OF MINES AND GEOLOGY
 Butte, Montana

WATER WELL LOG

STATE ENGINEER

			72

Owner Fred L. & Goldie Kirby Address Summit, Mont.
 Driller Kirby Address _____
 Date Started 3-18-59 Date Completed 3-18-59
 Location: Sec. 9 T. _____ R. _____ 1/4 sec. _____

Type of well Drain Equipment used Rotary
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☒
 Industrial ☐ Drainage ☐ Other: _____

Casing: _____ ft. to _____ ft. Type Galvanized Size _____
 Casing: 21 ft. to an inch ft. Type _____ Size _____
 Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. _____ to ft. _____ Ft. _____ to ft. _____

Type of screen or perforations _____

Static Water level, for non-flowing well: _____ feet.

Shut-in pressure, for flowing well: _____ lb./sq. in. on: _____ (date) _____

Pumping water level _____ feet at 210 gal. per min. 19 mins.

How tested: in 210 gallon tank

Length of test: all day

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Depth, feet	From	To
-------------	------	----

Description of Material Drilled

I hereby certify that the within instrument was filed in this office on

DEC 27 1961

Date 11:00 o'clock on M

J. E. LENNON
County Clerk and Recorder.

By [Signature] Deputy

File No.

T. 20 R. 3 W

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

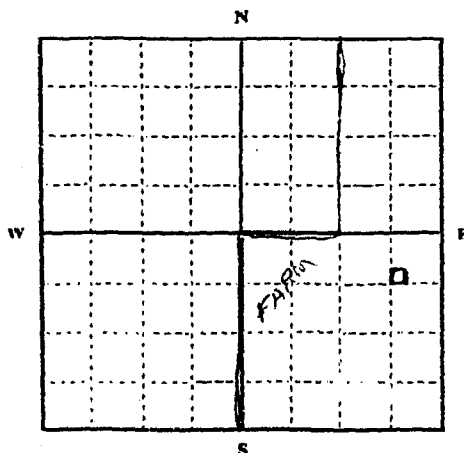
RECEIVED
JAN 8 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Jay F. Ruby, of Box 187 Simms
(Name of Appropriator) (Address) (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 9 T. 20 R. 3 W

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Dwelling, stock watering, washing, Jay Barn irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1939 Continuous since 1939
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gallons
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
One Acre Jay F. Ruby
GARDEN LAWN
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1939 Feb. 58
8. The depth of water table 2.6'
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Not Applicable
10. The estimated amount of groundwater withdrawn each year 2,300,000 gal
11. The log of formations encountered in the drilling of each well if available Not Applicable
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Not Applicable

Signature of Owner

Date

12/31/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

21831

4341

CLERK AND RECORDER
CASCADE COUNTY MONTANA
I HEREBY CERTIFY THAT THE WITHIN
INSTRUMENT WAS FILED FOR RECORD
IN THIS OFFICE ON

DEC 31 1963

AT 11:27 a M
AND DULY RECORDED AS DOCUMENT

NO. _____

J. L. LENNON
CLERK AND RECORDER

BY J. L. Lennon
DEPUTY

GW 3

File No.

T. 20 R. 34W

DUPLICATE

County CASCADE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 9 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater NOT APPLICABLE
2205-2nd Ave. So.

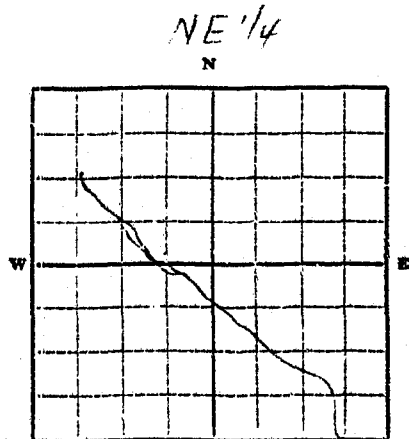
Owner George O. Huston Address Great Falls, Montana

Contractor (if any) not applicable

Address of Contractor not applicable

Date Started not applicable Date Completed not applicable

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. sub-irrigation and other natural processes.



N 1/2 NE
S 1/2 NE 1/4 Sec. 10, T. 20, R. 34W

Indicate point of appropriation and place of use, if possible.

tent estimate approximate lengths of periods of use

several springs flow into same channel and supply
sufficient water to handle 1 number of cattle year
round. Stream of water average one ft. deep 20 ft. wide.

Signature of Owner George O. Huston

Date December 26, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

Surface water?

28416

4431

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on

DEC 31 1963

Date

at 1257 o'clock M

J. L. FENNON

County Clerk and Recorder.

By

J. J. Johnson

Deputy.

File No.

T. 20 R. 34

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

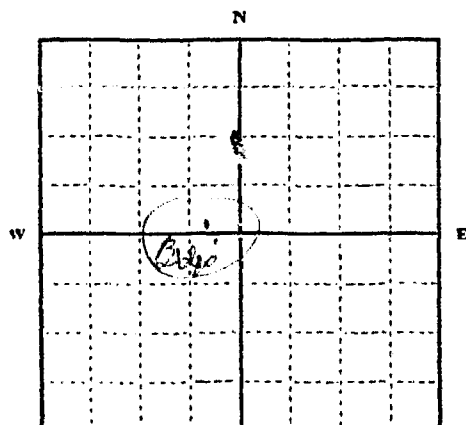
RECEIVED
JAN 9 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. George O. Hutton of 2205-2nd Ave. So., Great Falls, Montana
(Name of Appropriator) (Address) (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 SE 1/4

NW 1/4 SE 1/4 Sec. 12, T. 20, R. 34

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based. Household use and stock water. Garden irrigation.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. About 1930
Continuous use.
4. The amount of groundwater claimed (in miner's inches or gallons per minute). Approx. 50 gal per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. 1/2 acre lawn and garden.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. electric pumps. One well in basement of house. One well near barn.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. more than 30 years ago.
8. The depth of water table. first water at 20 feet.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 4 inch casing. Well in house 50' deep. 4 inch casing in 150' deep well at barn. Household type electric water pumps on each.
10. The estimated amount of groundwater withdrawn each year. 150,000 gal.
11. The log of formations encountered in the drilling of each well if available. not available.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. no records available.

Signature of Owner

George O. Hutton

Date

12/26/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

28417

4431

STATE OF MONTANA,
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on

SEP 22 1959

at 1258 ^{PM} of the 22 day of SEP 1959 M.

J. L. LEMMON

County Clerk and Recorder.

By J. J. Johnson
Deputy.

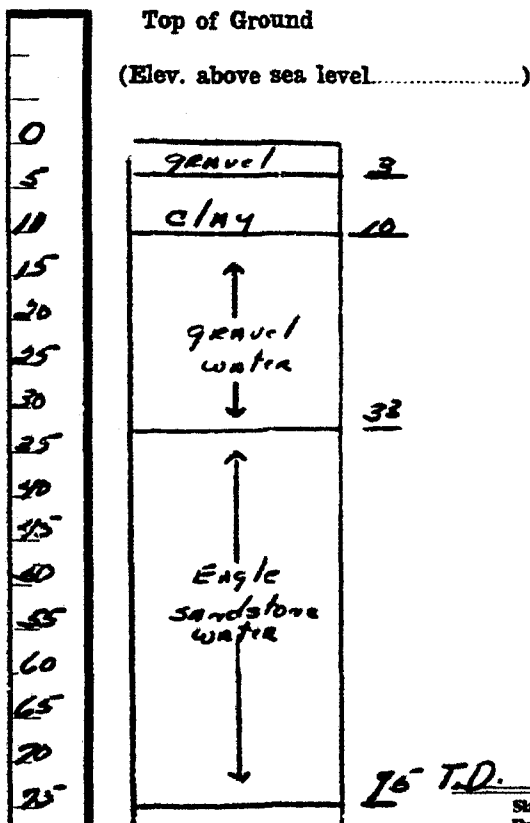
File No.

DUPLICATE

RECEIVED
JAN 9 1964

T. 20N R. 3 East

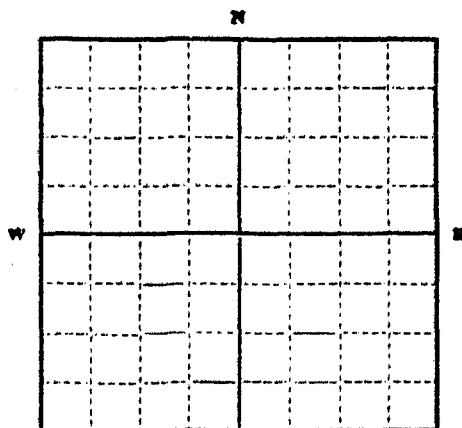
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE ENGINEER
Notice of Completion of Groundwater
Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)



Owner Jed Kaul Address Simms, Mont.
2112- 7th Ave. S.
Driller Pat. Byrne Address Great Falls, Mont.
Date of Notice of Appropriation of Groundwater Dec. 27, 1963
Date well started 10-3-63 Date Completed 10-12-63
Type of well Drilled Equipment Used Churn drill
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)
Water Use: Domestic ☒ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6-5/8"	32	2'	15'	-	-	-
7"OD	17#	0'	38'	-	-	-



Sec. 10 T. 20N R. 3E
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 13' Below GL. feet.Shut-in Pressure for Flowing Well nonePumping Water Level 50' feet at 80' gal. per minute.Discharge in gal. per min. of flowing well BailerHow Tested Bailer Length of Test 1 hour

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation).....

135
Driller's License Number

Driller's Signature

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

28437

4451

CLERK AND RECORDER
CASCADE COUNTY MONTANA
I HEREBY CERTIFY THAT THE WITHIN
INSTRUMENT WAS FILED FOR RECORD
IN THIS OFFICE. DEC 31 1962

AT 4:18 P
AND DULY RECORDED AS DOCUMENT

J. L. LENNON
CLERK AND R.

[Signature]
DEPUTY

File No.

DUPLICATE

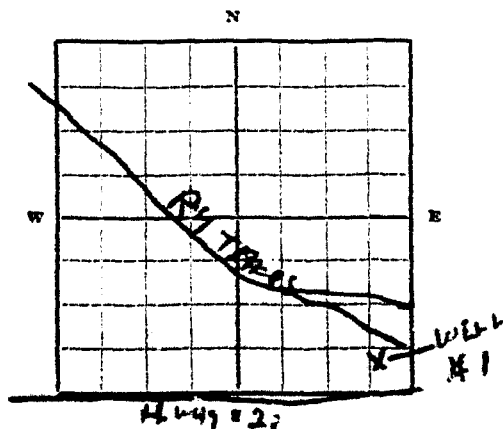
T. 20 R. 30
County ...

JAN 1 1963

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. FRANK W. KAULL, of P.O. Box 235 Sims
(Name of Appropriator) (Address) (Town)
County of CASCADE State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 10 T. 20 R. 3 W

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based for Home and livestock consumption
3. Date or approximate date of earliest beneficial use; and how continuous the use has been UNKNOWN
ESTIMATED 25 YEARS - CONTINUALLY
4. The amount of groundwater claimed (in miner's inches or gallons per minute) ESTIMATED 75 GAL PER MIN.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof WITH EXCEPTION OF SMALL GARDEN
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal SHALLOW WELL PUMP

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater UNKNOWN - ESTIMATED 75 YEARS

8. The depth of water table 33 FEET

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater

10. The estimated amount of groundwater withdrawn each year 300,000 GALS.

11. The log of formations encountered in the drilling of each well if available NOT AVAILABLE

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record SO FAR AS KNOWN NONE

Signature of Owner

Date

Dec 9 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

27790

3301

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on
DEC 27 1963

at 11:00 o'clock 9 M

J. L. LENNON
County Clerk and Recorder.

By B. J. [Signature]
Deputy.

File No.

T 20 R 3 W

DUPLICATE

County

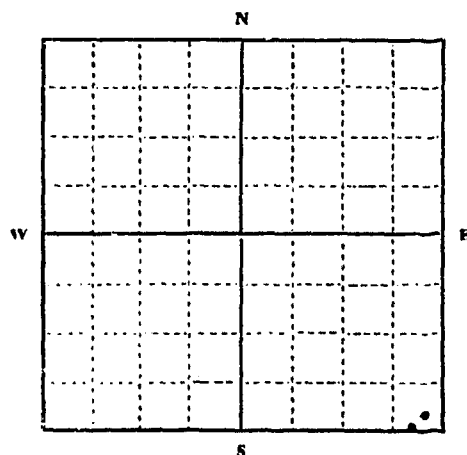
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 9 1964
STATE ENGINEER

1. Arthur R. Dors and Agnes M. Dors, of Simms,
(Name of Appropriator) (Address) (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 SE Sec 11 T.20 R.3W

Indicate point of appropriation
and place of use, if possible. Each
small square represents 10 acres.

2. The beneficial use on which the claim is based Household and other domestic uses and for livestock and irrigation.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Prior to 1900. Continuous use since.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) Approximately 40 gallons per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof The acreage consists of garden and lawn surrounding the dwelling - approximately 2 acres.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Two wells with pumps - one well located under the dwelling and the other approximately 150 feet from the dwelling.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. The wells have been in existence for a number of years. The exact date of commencement and completion is unknown but would estimate at least 40 years.
8. The depth of water table Varies from 12 to 20 feet.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Each well is equipped with casing approximately 2 1/2 inches in diameter and are approximately 30 feet deep.
10. The estimated amount of groundwater withdrawn each year Never measured but sufficient for use of the family residing in the dwelling, the yard & garden consisting of approximately 2 acres and for 15 - 25 head of livestock.
11. The log of formations encountered in the drilling of each well if available. Not available.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. None

Signature of Owner

Date December 30, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

28637

4652

STATE OF MONTANA, } ss.
County of Cascade.

Whereby certify that the within in-
strument was filed in this office on

JAN 2 - 1904

Date

at 10:10 o'clock P.M.

J. L. LENNON

County Clerk and Recorder.

By H. C. Hall
Deputy.

File No.

DUPLICATE

T. R.

County.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

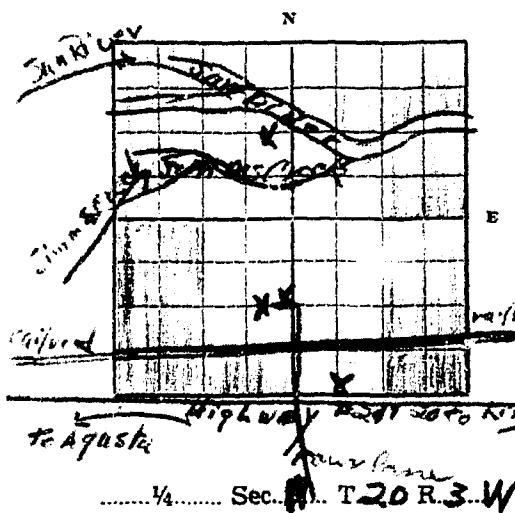
RECEIVED
JAN 9 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. James D. & Larine C. Kelley of Simms
(Name of Appropriator) (Address) (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres. X marks 4 wells

2. The beneficial use on which the claim is based household, livestock, irrigate yard & garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Approximately 1905
we believe

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gal. per minute each well

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 1 acre lawn, 1 acre garden, 3 acre meadow, 3 acre high

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pumps
Lot 3 - (on highway) SE 1/4
Lot 8 - (on river west of Simms Creek) NE 1/4 SE 1/4
at house & barn yard

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater The wells were in use long before our purchase of the property in 1952.

8. The depth of water table Thirty Five or Forty feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater ① Warm winter water shallow
② well on North west of NE 1/4 SE 1/4
Born yard
③ House hold wells have pumps (5 gal per min)
for 35 ft. depth
④ Well on SE 1/4 SE 1/4 same, this
land borders Highway #21 on the South,

10. The estimated amount of groundwater withdrawn each year 2,000,000

11. The log of formations encountered in the drilling of each well if available heavy soil & gravel

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record book 3, page 63, line 2
County of Cascade, Montana

Signature of Owner

Date

James D. Kelley
12/30/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

*refer to maps photographed in 1906 & to abstract 28269

4379

CLERK AND RECORDER
CASCADE COUNTY, MONTANA
I HEREBY CERTIFY THAT THE WITHIN
INSTRUMENT WAS FILED FOR RECORD
IN THIS OFFICE ON DEC 23 1962

AT 12:04 P M
AND DULY RECORDED AS DOCUMENT

J. L. LENNON
CLERK AND RECORDER
BY *[Signature]*
DEPUTY

File No.

DUPLICATE

T. 20 R. 3W 12

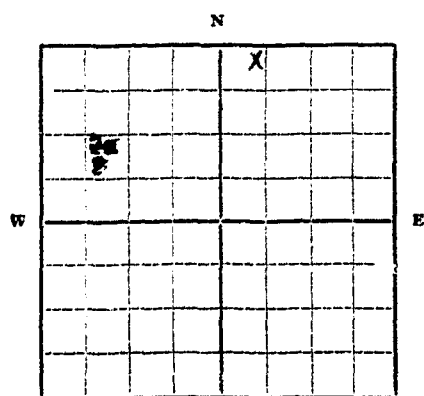
County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1951)

RECEIVED
JAN 9 1964
STATE ENGINEER

1. Emmett F. Andersen & Eva June Andersen, of Simms
(Name of Appropriator) (Address) (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot 2, Simms Townsite

NE 1/4 Sec. 19 T. 20 R. 3W

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based household and irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been September 1945, continuously since that date.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) house pump: 1 1/2 gal per min.
outdoor irrigation pump - 7000 gal per hour (max.)
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Lot 2a: Emmett F. Andersen & Eva June Andersen
Lot 2: Jonathan L. Moore & Hattie A. Moore
approx. 3.3 acres
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal household pump: centrifugal electric
irrigation pump: centrifugal electric for sprinkler system
gasoline for flood irrig.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Household well - September 1945
Irrigation well - May 1949
8. The depth of water table 26 ft. to 30 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Household well: driven well, 1 1/2" pipe, 30 ft.
Irrigation well - drilled, cased, 3" casing - 38 ft.
10. The estimated amount of groundwater withdrawn each year household 55,000 per yr.
irrigation: 60,000 per yr.
11. The log of formations encountered in the drilling of each well if available not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Eva June Andersen
Emmett F. Andersen

Date December 30, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

28324

4334

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on

DEC 31 1958

at 11:19 o'clock a.m.

J. L. LEONON

County Clerk and Recorder.

By JL

File No.

T. 20 R. 3

DUPLICATE

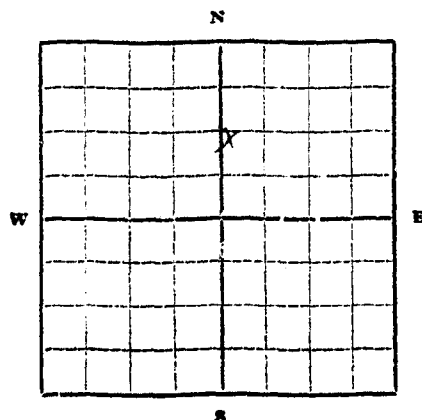
County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **Emmett F. Andersen & Jonathan L. Moore** of **Simms**
Eva June Andersen (Name of Appropriator) & **Hattie A. Moore** (Address) (Town)
County of **Cascade** State of **Montana**
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot 85, Simms Township
NE 1/4, Sec. 23, T. 20 R. 3 N
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based **shop and car wash supply**
3. Date or approximate date of earliest beneficial use; and how continuous the use has been **September 1946 - continuously to date.**
4. The amount of groundwater claimed (in miner's inches or gallons per minute) **15 gal. per min.**
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal **location: basement, withdrawal by means of electric pump.**
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater **September 1946 - driven well, 1 1/2 inch pipe**
8. The depth of water table **23 to 30 ft.**
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater **September 1946, driven well with 1 1/2 inch pipe. 28 feet depth**
10. The estimated amount of groundwater withdrawn each year **55,000 gal. per yr.**
11. The log of formations encountered in the drilling of each well if available **not known**
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Emmett F. Andersen
Eva June Andersen

Jonathan L. Moore
Signature of Owner *Hattie A. Moore*
Date **December 30, 1963**

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

28325

4335

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on
DEC 31 1963

Date
at 11:20 o'clock *a* M.

J. L. LENNON
County Clerk and Recorder.

By *JL* Deputy.

File No.

DUPLICATE

T. 76 R. 3

County

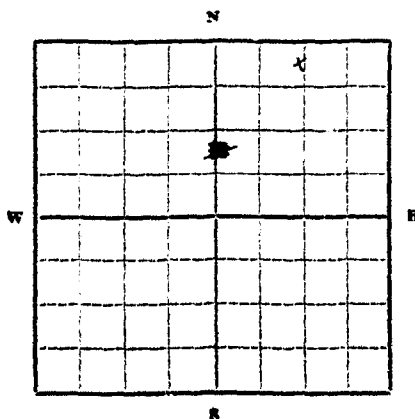
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 9 1964
STATE ENGINEER

By Emmett F. Anderson & Jonathan L. Moore of Sims
Name of Appropriator Battle A. Moore (Address) Montana (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot 80

NE 1/4 Sec. 13, T.22, R.3, W.

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based service station use, car washing
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1936 - continuously since.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 gal. per min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal location: service station
withdrawal by means of electric pump.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1936, driven well, 1 1/2 inch pipe.
8. The depth of water table 30 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater driven well, 1 1/2 inch pipe, 20 feet.
10. The estimated amount of groundwater withdrawn each year 50,000 gal. per yr.
11. The log of formations encountered in the drilling of each well if available not known
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Emmett F. Anderson
Battle A. Moore

Jonathan L. Moore
Signature of Owner Battle A. Moore

Date December 30, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

28326

4336

STATE OF MONTANA, } ss.
County of Cascade

I hereby certify that the within in-
strument was filed in this office on
DEC 31 1968

Date
11:21 o'clock a.m.

J. L. EBBELSON

County Clerk and Recd. Jrs.

JL

File No.

T. 25 R. 3W

DUPLICATE

County CASCADE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

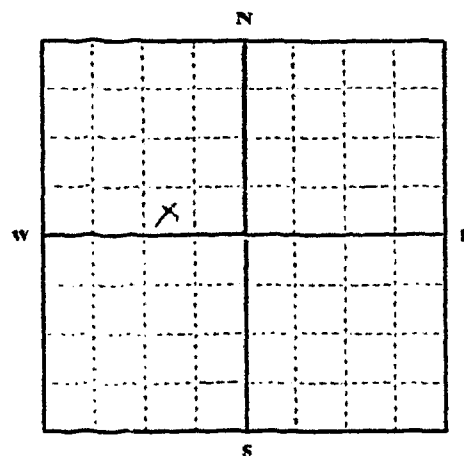
RECEIVED
JAN 9 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. DAVID F. BODKINS, of PO BOX 46 SIMMS
(Name of Appropriator) (Address) (Town)

County of CASCADE State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Section 14 Sec 13 T. 20 R. 3W

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based HOUSE HOLD IRRIGATION
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1950 STEADY
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 40 GALLON MINUTE
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof GARDEN & LAWN
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal JET PUMP
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1950 FINISHED 1950
8. The depth of water table 22 FT.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 2 IN PIPE
10. The estimated amount of groundwater withdrawn each year 360000
11. The log of formations encountered in the drilling of each well if available NONE
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner David F. Bodkins

Date Dec. 30, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

27971

3986
3986

STATE OF MONTANA, }
County of Cascade. }

I hereby certify that the within in-
strument was filed in this office on
DEC 30 1967

Date

at 12:55 o'clock P.M.

J. L. LENNON

County Clerk and Recorder.

By Beria
Deputy.